

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE MATTER OF:

GROUP:

Yoshiaki TANAKA, et al

SERIAL NO.:

EXAMINER:

FILED: Concurrently

FOR: AUDIO DISC OF IMPROVED DATA STRUCTURE AND REPRODUCTION
APPARATUS THEREFOR

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents
& Trademarks
Washington, DC 20231

S I R:

This is a CONTINUATION of application serial number 09/015,706 filed on January 30, 1998 and allowed on October 30, 2001. The entire disclosure of the prior application serial number 09/015,706 is considered a part of the disclosure of this continuation application and is hereby incorporated by reference. Please deduct all fees in connection with this filing from Deposit Account No. 01-1944.

Prior to examination, applicants respectfully request that the application be amended as follows:

IN THE CLAIMS:

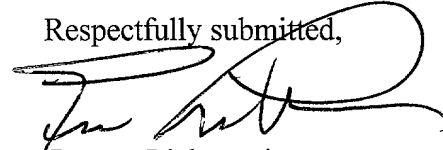
Please cancel the claims in the attached application and add new claims 62, 63, 64, 65 and 66 attached hereto in place thereof.

REMARKS

The prior application serial number 09/015,706 filed on January 30, 1998 has been allowed and the issue fee paid. This continuation application incorporates the entire disclosure of the prior application by reference.

Applicants respectfully request that this application proceed to prosecution.

Respectfully submitted,



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EXPRESS MAILING CERTIFICATE

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail in an envelope addressed: Commissioner of Patents & Trademarks, BOX PATENT APPLICATION, Washington, DC 20231 on February 1, 2002 with Express Mail Label No. EJ693836188US.



Date: Feb. 1, 2002

NEW CLAIMS:

62. An optical audio disc comprising:

an identifier information for identifying said optical audio disc, which is recorded with physical format information in a lead-in area of said optical audio disc;

a first pack (A Pack) including audio data;

a second pack (V Pack) including a second data other than said audio data;

a navigation pack (CONT Pack) containing reproduction control information, which controls reproduction of data included in said first and second packs, wherein said navigation pack is defined by the DVD-Video Specifications, which is an international industry standard;

a vide title set (VTS) information specified by the DVD-Video data format of the DVD-Video Specifications, which contains said audio data and said second data;

a video manager (VMG) containing a first information, which manages said VTS information;

an audio title set (ATS) information, which is added to the DVDVideo data format of the DVD-Video Specifications, and contains said audio data; and

an audio manager (AMG) containing a second information, which manages said ATS information.

63. A reproduction method of a reproduction apparatus, which reproduces one of an optical audio disc and a DVD-Video disc, wherein the optical audio disc comprises a first identifier information for identifying the optical audio disc and a first pack containing a first audio data and a second pack containing other data than said

first audio data and a first navigation pack, which is defined by the DVDVideo Specifications, and

wherein said first navigation pack contains a first reproduction control information for controlling reproduction of data, which are contained in said first and second packs, and

wherein said optical audio disc comprises a first management information for managing the data, which are contained in said first and second packs and a managing area containing a second management information, which are defined by the DVD-Video Specifications, and said managing area manages the data, which are included in said first and second packs, and wherein the DVD-Video disc comprises a second identifier information for identifying the DVD-Video disc and a third pack containing a second audio data and a fourth pack containing video data and a second navigation pack, which is defined by the DVD-Video Specifications,

said second navigation pack containing a second reproduction control information for controlling reproduction of data, which are contained in said third and fourth packs,

said reproduction method comprising steps of:

identifying the disc as said optical audio disc in accordance with the first identifier information; and

reproducing the first audio data included in said first pack and the other data included in said second pack of said optical audio disc in accordance with the first management information,

said step of reproducing further identifying the disc as said DVD-Video disc in accordance with the second identifier information and reproducing the second

audio data included in said third pack and the video data included in said fourth pack of said DVD-Video disc in accordance with the second management information.

64. A reproduction method of a reproduction apparatus, which reproduces an optical audio disc, wherein the optical audio disc comprises an identifier information and a first pack containing audio data and a second pack containing a second data other than said audio data and a navigation pack containing reproduction control information, which controls reproduction of data included in said first and second packs, wherein said navigation pack is defined by the DVD-Video Specification, which is an international industry standard and the optical audio disc further comprising:

a video title set (VTS) information specified by the DVD-Video data format of the DVD-Video Specifications, which contains said audio data and said second data;

a video manager (VMG) containing a video management information, which manages said VTS information;

an audio title set (ATS) information, which is added to the DVD-Video data format of the DVD-Video Specifications and contains said audio data; and

an audio manager (AMG) containing an audio management information, which manages said ATS information,

said reproduction method comprising steps of:

identifying said disc as the optical audio disc in accordance with said disc identifier information from the disc set in the reproduction apparatus, and

reproducing at least the audio data included in said ATS information in accordance with the audio management information.

65. An optical audio disc in accordance with claim 1, wherein said AMG contains a title menu information of more than two including two languages.

66. A reproduction method in accordance with claim 3, wherein said reproducing step further comprising a step of reproducing said ATS information in a time unit equivalent to one group of audio frames.